BRUHAT BENGALURU MAHANAGARA PALIKE

TENDER DOCUMENT – KW3

(WORKS COSTING LESS THAN Rs. 100 LAKHS)

Name of Work: - Improvements to roads and drains at Main and Cross roads of Sharadanaga and Mathru layout in ward no:04

Estimate Cost: 99.99 Lakhs

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EXECUTIVE ENGINEER
YELAHANKA DIV

9-4-21

BRUHAT BENGALURU MAHANAGARA PALIKE

No: BBMP/EE/YNK.D/E-PMT/05/ 2020-21

Office of the Executive Engineer
Yelahanka division, Bangalore – 560064
Dated : 03-9-2020

INVITATION FOR TENDER (IFT)
(Short term- Tender Notification)
(Two Cover System)
(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz https://eproc.karnataka.gov.in).The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract **as per standard tender document KW-3 and KW-4.**

2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document (Minimum of Rs1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee issued by Nationalized / Scheduled Bank and shall have to be valid for 180 days beyond the validity of the tender)

3. Tenders must be submitted online through e-procurement portal on or before 16.00 hours on **19-09-2020** and the opening of tenders will be as per the e-procurement portal guidelines.

4. GST Shall be Paid to the tendered amount separately

5. Other details can be seen in the tender documents.

Sl. No.	Name of the Work	Est. Cost	EMD (Rs. in Lakhs)	Cost of Tender form in Rs. (Non-Refundable)	Period of Completion
1	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala school) at Yelahanka old town in Kempegowda ward no:01	300.00	4.50	As per e-Procurement Portal	09 Months (including monsoon)
2	Development of roads and drains at Maruthinagara 4th main and cross roads Basaveshwaranagara and Shivanahalli surrounding areas in ward no:01 of Yelahanka division (Package no-7)	400.00	6.00	As per e-Procurement Portal	06 Months (including monsoon)
3	Improvements to roads and drains at Kalli bhavi road and surrounding areas in ward no:01 of Yelahanka sub	100.00	2.00	As per e-Procurement Portal	03 Months

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4	Developments of roads and drains at Venkatala, Kenchenahalli, Nagenahalli, Harohalli village and Drilling of borewells and providing pipe line at SC/ST areas in ward no:01 and 02 of Yelahanka Division (Package no:08)	500.00	7.50	As per e-Procurement Portal	06 Months (including monsoon)
5	Comprehensive development of Chowdeshwari layout and surrounding areas in Chowdeshwari ward no:02	100.00	2.00	As per e-Procurement Portal	03 Months
6	Providing energy efficient LED Street lights Control Switches and wire to Main roads and around Chowdeshwari ward no:02	75.00	1.50	As per e-Procurement Portal	03 Months
7	Improvements to roads and drains at SC/ST areas in ward no:02 of Yelahanka sub division	100.00	2.00	As per e-Procurement Portal	03 Months
8	Improvements to Asphalting to roads and drains at Best county , Ambabhvaninagara , Ambabhavani layout , Prakruthi layout and surrounding areas in Attur ward no:03 of Yelahanka division (Package-06)	600.00	9.00	As per e-Procurement Portal	06 Months (including monsoon)
9	Providing energy efficient LED Street lights Control Switches and wire to Main roads and around Attur ward no:03	125.00	1.875	As per e-Procurement Portal	03 Months
10	Improvements to roads and drains at Vishwanagara in ward no:03 of Yelahanka Satellite town sub division	100.00	2.00	As per e-Procurement Portal	03 Months
11	Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division	100.00	2.00	As per e-Procurement Portal	03 Months
12	Construction of CC roads in 4th phase and surrounding areas in ward no-3	100.00	2.00	As per e-Procurement Portal	03 Months
13	Developments of roads and drains at Attur, Ananthapura, 3rd phase Sanitary core areas and Drilling of borewells and providing pipe line at SC/ST areas in ward no:03 and 04 of Yelahanka Division (Package no:09)	500.00	7.50	As per e-Procurement Portal	06 Months (including monsoon)
14	Providing multi colour shade lights at parks in ward no:03 and 04 of Yelahanka satellite town sub division	75.00	1.50	As per e-Procurement Portal	03 Months
15	Improvements to roads and drains at GKVK layout and Narayanappa layout in ward no:04	99.99	2.00	As per e-Procurement Portal	03 Months
16	Improvements to roads and drains at Allalasandra village in ward no:04 of Yelahanka satellite town sub division	75.00	1.50	As per e-Procurement Portal	03 Months

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3. The Commissioner, BBMP for kind information.
4. Special Commissioner (Projects)/Additional Commissioner(Projects) for kind information
5. Engineer – in – Chief, BBMP for kind information.
6. Council Secretary to bring to notice of the Standing Committee (Major Works).
7. The Chief Engineer / yelahanka zone / (Road Infrastructure)/Environment/Markets/ South zone/ West zone/ East zone/Rajarajeshwari Nagar zone / Bommanahalli zone/ Dasarahalli zone/ Yelahanka zone/ Mahadevapura zone/ (SWD) for kind information.
8. The Superintending Engineer, yelahanka zone / (Road Infrastructure)/ South/East/West/ Rajarajeshwari Nagar/ Bommanahalli / Dasarahalli/ Mahadevapura Zone for kind information.
9. Directorate General of Commercial Intelligence and Statistics, 565, Anandapur, Ward No.-108, Plot No.-22, Sector-1, Kolkata-700107, India, for kind information with a request to publish the same in the Indian Trade Journal.
10. The Joint Secretary(UDD) and the State Tender Bulletin Officer for kind information with a request to publish the same in the State Tender Bulletin
11. CAO / Chief Auditor for kind information.
12. IT Advisor with a Request to publish the same in the BBMP Website.
13. All Executive Engineers with a Request to publish the same in the Display /Notice Boards.
14. ACF (Yelahanka) / Accounts Superintendent / Cashier for information for necessary action.
15. Public Relation Officer, BBMP for information and to publish in two leading National Newspapers in Kannada and English.
16. Notice board Office Copy.

Executive Engineer
Yelahanka Division
Bruhat Bangalore Mahanagara Palike

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A. General

1. Scope of Tender

1.1 The Executive Engineer, Yelahanka Division, Yelahanka Zone, BBMP Bangalore Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka

2.2 **Tenders from Joint ventures are not acceptable.**

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years i.e., ,, 2014-15, 2015-16,2016-17, 2017-18,2018-19, 2019-20

(a) achieved in at least two financial years a minimum financial turnover (in all classes of Civil Engineering construction works only of Rs. 176.00 Lakhs,

(b) satisfactorily completed (at least 50% of the contract value), as prime contractor, at least one similar nature of work value not less than Rs 45.00 Lakhs.

(c) executed in any one year, the following minimum quantities of work:

(d)	Eathwork excavation	- 826.4 Cum
(e)	PCC and RCC	- 503.00 Cum
(f)	TMT steel	- 16.11 Tonne
(g)	Pre Cast cover Slab	- 743.2 Sqm

(h) 3.3 Each Tenderer should further demonstrate:

(a) Availability by owning at least 50% of the required/Specified key and critical equipment for this work and

(b) The remaining 50% can be deployed on lease/hire basis for all works provided, the relevant documents (Commitment agreements etc.) for availability for this work are furnished:

Machineries could be on Lease/Hire/Ownership:

1.Tippers	: 1 No
2. Excavator	: 1 No
1. Water tank	: 2 N0
2. Needle Vibrator	: 1 No
3. Concrete mixer Machine	: 1 No

liquid assets and /or availability of credit facilities of no less than Rs. 26.52 Lakhs (Credit lines/ letter of credit/ certificates from nationalized banks for meeting the fund requirement etc

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*2.5 - B)

Where ;

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C. Preparation of Tenders

6. Documents comprising the Tender

6.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows::

6.1.1 First Cover: (Only online)

(a) Earnest Money Deposit; on line payment through e-Procurement platform.

(c) Qualification Information as per formats given in **Section 3; Qualification Information.**

6.1.2 Second Cover: (Only online)

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9); online through e-procurement portal, no hardcopy of commercials should be attached or disclosed.

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

6.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

7. Tender prices

7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

7.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. Corrections, if any, shall be made online only before the submission of the bid.**

7.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

7.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

8. Tender validity

8.1 Tenders shall remain valid for a period not less than ninety days after the deadline date for tender submission specified in Clause 12. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

8.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 9 in all respects.

9. Earnest money deposit

9.1 Earnest Money Deposit/ Bid security

The supplier/contractor can pay the Earnest Money Deposit (EMD) in the e-Procurement portal using any of the following payment modes: **(Minimum of Rs. 50000/- for works where amount put to tender is less than 1.00 Crore and the balance amount by Bank Guarantee issued by Nationalized/Scheduled Bank.)**

The amount of EMD is Rs. 150000/-, for this amount, Rs. 50000/- in the following form;

- Credit Card
- Direct Debit
- National Electronic Fund Transfer (NEFT)
- Over the Counter (OTC)

and balance of Rs.100000/- in the form of Bank Guarantee issued by Nationalized/Scheduled Bank.

The Original Bank Guarantee should be handed over to the Executive Engineer, Yelahanka Division, BBMP Bangalore-64 by the bidders at the time of opening of Technical Bid for verification. Non compliance leads to the rejection of the Technical Bid.

The supplier/contractor's bid will be evaluated only on confirmation of receipt of the payment (EMD) in the Government of Karnataka central pooling a/c held at any nationalized banks

EMD amount will have to be submitted by the supplier/contractor taking into account the following conditions:

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15.3 The Tenderes names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

15.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[1]

16 Opening of Second Cover of qualified Tenderers and evaluation:

16.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open online the Second Covers of Qualified Tenderers at the appointed time and date (as indicated in the e-Procurement Portal) in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

16.4 The Employer shall prepare minutes of the Second Cover Tender opening.

17. Process to be confidential

17.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

18 Clarification of Tenders

18.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted .

18.2 Subject to sub-clause 18.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

18.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

19. Examination of Tenders and determination of responsiveness

19.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has digitally signed; and; (b) is substantially responsive to the requirements of the Tender documents.

19.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

19.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

20 Correction of errors

The Tenderer can do Modifications before submitting their bids online only.

21. Evaluation and comparison of Tenders

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[1] The evaluation of the technical aspects contained in the first cover should be completed within a reasonable period and the time gap between the opening of the first and second cover should be the minimum and in any case not more than 45 days {In exceptional cases, approval of the Secretary to the Government of the concerned Department/Managing Director of the Corporation shall be obtained where the period is more than 45 days but less than 60 days. If it exceeds 60 days the tenders shall be reinvited.

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(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.

26.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 43.2 of the Conditions of Contract.

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Work completion	State		Address of Employer	(Rs. lakhs)	completion	completed (Rs. lakhs)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date decision is expected	when if any	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement No.	Capacity	Owned	Owned and available Number/ Capacity	Age/ Condition	Remarks

As per Section-2 A-General Clause 3.3 (a) & (b)

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

BANKER'S CERTIFICATE

This is to certify that M/s ..... is a reputed company with a good financial standing. If the contract for this work, namely

Improvements to roads and drains at Main and Cross roads of Sharadanaga and Mathru layout in ward no:04. is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of **Rs 26.52 Lakhs** to meet the working capital requirements for executing the above contract.

Sd/-
Name of the Bank, Senior Bank

Address:

Manger

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.
(Attach Certificate from the respective employers.)

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SECTION 5: CONDITIONS OF CONTRACT

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24.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

25. Identifying defects

25.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

26. Tests

26.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

27. Correction of defects

27.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

27.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

28. Uncorrected defects

28.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

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43. Payment upon Termination

43.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

43.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

44. Property

44.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

45. Release from performance

45.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

General Conditions :

(a) 1% of the Tendered amount will be deducted towards "Labour Welfare Fund ".

(b) The Tenderer has to produce all the relevant Documents as indicated in the Bid Document in originals during the opening of the Technical Bid " Mandatorily " . This is in addition to Uploading all the relevant Documents in the e-procurement portal. If the Originals are not submitted, the Tender will be rejected.

(c) All other documents which are required to be submitted are to be uploaded in the e-Procurement Portal in General Documents section, while electronically submitting the bid. If any of the Documents as desired are not submitted the Tender will be rejected.

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Name of Work: Improvements to roads and drains at main and cross roads of Sharada Nagara and Mathru layout in ward no 04

Schedule-B

Item No.	Description	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead	Cum	1033.83		
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.a) 40mm Jelly	Cum	0.62		
3	b) 20mm Jelly	Cum	0.62		
4	c) Coarse sand.	Cum	0.47		
5	d) Fine Sand	Cum	0.31		
6	e) 12.5mm chips	Cum	0.47		
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia. (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)	Mtr	9.00		
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate	Sqm	1.55		

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9	KSRRB M2000-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	299.34		
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete excluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)	Cum	330.98		
11	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, paicing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)	Tn	20.14		
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	908.40		
13	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	21.60		
14	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading with 8km lead= (I No-18.47,P No-140,KPWD SR 2018-19)	Cum	162.00		

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15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to(P.No-176,I No-22.6.1)	Cum	127.50			

SECTION-9 BILL OF QUANTITIES

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Yelahanka Division
B.B.M.P. Bangalore - 64

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: Executive Engineer,
Yelahanka Division Bangalore-64

WHEREAS _____ (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ____ dated _____ to execute Improvements to roads and drains at Main and Cross roads of Sharadanaga and Mathru layout in ward no:04.AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____Rupees_____ _____, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____

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YELAHANKA DIV

CONTRACTOR